2021 Annual Drinking Water Quality Report
City of Brandon
PWS ID#: 610003
June 2022

Mayor Butch Lee, the Board of Aldermen, and the City of Brandon Public Works Department are pleased to present the 2021 Annual Drinking Water Quality Report. This report is designed to inform you about the quality water and services delivered to you by the City of Brandon. Our constant goal is to provide you with a safe and dependable supply of drinking water. We want our customers to understand the efforts we make to continually improve the water treatment process and protect our water resources. We are committed to ensuring the quality of our water and services and strive to keep our valued customers informed about the water services that we offer.

The City of Brandon currently has ten operating wells, six tanks, one standpipe, and one booster pump. Our wells draw from the Sparta and Cockfield formation aquifers. Our system is required to adhere to all rules and regulations as set by State and Federal officials. This includes, but is not limited to, monthly bacteriological samples, routine inorganic sampling, continuous educational classes and certifications, and billing and collection.

The City of Brandon is pleased to report that our drinking water meets all federal and state requirements. We have learned through monitoring and testing that some constituents have been detected; however, the EPA has determined that your water is safe at these levels.

If you have any questions about this report or concerning your water services, please contact Carly Dearman, Public Works Operations Coordinator, at 601-824-4579, or by email at cdearman@brandonms.org.

The City of Brandon routinely monitors for various constituents in your drinking water according to Federal and State laws. The table below shows the results of our monitoring for the period of January 1, 2021, to December 31, 2021. As water travels over the land or underground, it can pick up substances or contaminants such as microbes, inorganic and organic chemicals, and radioactive substances. All drinking water, including bottled drinking water, may be reasonably expected to contain at least small amounts of some constituents. It is important to remember that the presence of these constituents does not necessarily pose a health risk.

In this table you will find many terms and abbreviations which might not be familiar to you. To help better understand these terms we have provided the following definitions:

Maximum Contaminant Level - The "Maximum Allowed" (MCL) is the highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.

Maximum Contaminant Level Goal - The "Goal" (MCLG) is the level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

Treatment Technique – A treatment technique (TT) is a required process intended to reduce the level of contaminant in drinking water.

Action Level – Action level (AL) is the level of lead or copper which, if exceeded, triggers treatment or other requirements that a water system must follow.

UOM – Unit of Measure

TEST RESULTS

Contaminant	Violation Y/N	Date Collected	Level Detected in *Your Water*	Range of Detects/#of Samples Exceeding MCL/ACL	UOM	MCLG	MCL	Likely Source of Contamination
Inorganic Compounds								
Antimony	N	2021	<0.0005	0	ppm	0	0.006	Discharge from petroleum refineries, fire retardants, ceramics, electronics
Arsenic	N	2021	<0.0011	0	ppm	0	0.010	Erosion from natural deposits
Barium	N	2021	0.134	.0018-.134	ppm	0	2	Erosion of natural deposits
Beryllium	N	2021	<0.0005	0	ppm	0	0.004	Discharge from metal refineries
Cadmium	N	2021	<0.0005	0	ppm	0	0.005	Corrosion of galvanized pipes
Cyanide	N	2021	<0.015	0	ppm	0	0.2	
Chromium	N	2021	0.0023	.0005-.0023	ppm	0	0.1	
Fluoride	N	2021	1.51	0.132-1.51	ppm	0	4	
Mercury	N	2021	<0.0005	0	ppm	0	0.002	Erosion of natural deposits
Selenium	N	2021	<0.0025	0-0.0025	ppm	0	0.05	Erosion of natural deposits
Thallium	N	2021	<0.0005	0	ppm	0	0.002	Discharge from ore-processing sites
Volatile Organic Compounds								
1,2,4 Trichlorobenzene	N	2021	<0.5	0	ppb	0	70	
CIS-1,2 Dichloroethylene	N	2021	<0.5	0	ppb	0	70	
Xylenes, Total	N	2021	<0.5	0	ppb	0	10000	
Dichloromethane	N	2021	<0.5	0	ppb	0	5	
O-Dichlorobenzene	N	2021	<0.5	0	ppb	0	600	
P-Dichlorobenzene	N	2021	<0.5	0	ppb	0	75	
Vinyl Chloride	N	2021	<0.5	0	ppb	0	2	
1,1-Dichloroethane	N	2021	<0.5	0	ppb	0	7	
Trans-1,2-Dichloroethylene	N	2021	<0.5	0	ppb	0	100	
1,2-Dichloropropane	N	2021	<0.5	0	ppb	0	5	
1,1,1-Trichloroethane	N	2021	<0.5	0	ppb	0	200	
Carbon Tetrachloride	N	2021	<0.5	0	ppb	0	5	
1,2-Dichloropropane	N	2021	<0.5	0	ppb	0	5	
Trichloroethylene	N	2021	<0.5	0	ppb	0	5	
1,1,2-Trichloroethane	N	2021	<0.5	0	ppb	0	5	
Tetrachloroethylene	N	2021	<0.5	0	ppb	0	5	
Chlorobenzene	N	2021	<0.5	0	ppb	0	100	
Benzene	N	2021	<0.5	0	ppb	0	5	
Toluene	N	2021	<0.5	0	ppb	0	1000	
Ethylbenzene	N	2021	<0.5	0	ppb	0	700	
Styrene	N	2021	<0.5	0	ppb	0	100	
Disinfection By-Products								
TTHM	N	2021	30.5	9.88-30.5	ppb	0		
HAA5	N	2021	23.2	11.4-23.2	ppb	0		

Nitrates								
Nitrate	N	2021	<0.08	0	ppm	0	10	
Nitrite	N	2021	<0.02	0	ppm	0	1	
Nitrate-Nitrite	N	2021	<0.1	0	ppm	0	10	

RAD								
Gross Alpha	N	2019	<1.98	0	PCI/L	0	15 PCI/L	
Radium -226	N	2019	0.32	0	PCI/L	0		
Radium -228	N	2019	1.10	0	PCI/L	0		
Combined Radium (-226 & -228)	N	2019	2.01	.53-2.01	PCI/L	0	5 PCI/L	
Combined Uranium	N	2021	<0.5	0	ppb	0	30	

Radiological Contaminants								
Copper	N	2019	0.4 mg/l	0	ppm	0	AL = 1.3 mg/L	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
Lead	N	2019	0.003 mg/L	0	ppm	0	AL = 0.015 mg/L	Corrosion of household plumbing systems; erosion of natural deposits

Maximum Residual Disinfectant Level Report								
Chlorine	N	2021	1.50 mg/l	0.17 mg/l to 3.27 mg/l	mg/l			Treatment of water

Unregulated Contaminants (UCMR4) – Highest Result Shown								
Sodium	N	2019	220000	93000 ppb to 220000 ppb	ppb			Road salt, water treatment chemicals, water softeners, and sewage effluents
Manganese	N	2019	1.9	0.48-1.9	ug/l			
Bromide	N	2019	41.2	38.1-41.2	ug/l			
Total Organic Carbon	N	2019	1070		ug/l			
HAA5	N	2019	12.78	5.9-12.78	ug/l			
HAA6Br	N	2019	9.5	5.57-9	ug/l			
HAA9	N	2019	18.22	12.4-18.22	ug/l			
AA9	N	2019	12.4		ug/l			

All sources of drinking water are subject to potential contamination by substances that are naturally occurring or manmade. All drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that the water poses a health risk. Additional information regarding water quality standards and guidelines can be found by visiting www.EPA.gov or www.msdh.ms.gov.

Unregulated Contaminants (UCMR4)

Unregulated contaminants are those for which EPA has not established drinking water standards. The purpose of unregulated contaminant monitoring is to assist EPA in determining the occurrence of unregulated contaminants in drinking water and whether future regulations are warranted.

Regulation Governing Fluoridation of Community Water Supplies

To comply with the "Regulation Governing Fluoridation of Community Water Supplies", CITY OF BRANDON is required to report certain results pertaining to fluoridation of our water system. The number of months in the previous calendar year in which average fluoride sample results were within the optimal range of 0.6-1.2 ppm was 5. The percentage of fluoride samples collected in the previous calendar year that was within the optimal range of 0.6-1.2 ppm was 54%.

Additional Information for Lead

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. The City of Brandon is responsible for providing high quality drinking water but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you take to minimize exposure is available from the Safe Drinking Water Hotline or at http://www.epa.gov/safewater/lead. The Mississippi State Department of Health Public Health Laboratory offers lead testing for a fee per sample. Please contact 601-576-7582 if you wish to have your water tested.

ADDITIONAL INFORMATION

For all after hours and emergency Public Works' issues, please call the main Public Works' phone number at 601-824-4579. An on-call Public Works' employee will be contacted to assist you.

All City of Brandon water meters are read each month electronically with AMI cellular technology, and consumption is billed monthly. Meter readings and reading dates can be found on your monthly utility bill. If you have questions regarding your meter readings or billing, please contact the Public Works Department for assistance.

Utility Bills are due and payable prior to midnight of the due date as specified on the monthly bill. Any balance that is not paid by the due date is subject to a late penalty and disconnection of services.

Application and disconnection of utility services with the City of Brandon must be made in writing to the City of Brandon Public Works Department. **Application and disconnection of utility services CANNOT be made by phone.** Please contact the Public Works Department for additional information and requirements.

Utility Bill Payment Options

- **In office, drive thru, drop box, or US Mail –** 1000 Municipal Drive, Brandon, MS 39042
- **Bank Draft –** available upon request and completion of the required paperwork
- **Online –** www.brandonms.org - credit card only – a service charge will apply
- **Phone Pay –** 888-626-8998 – credit card only – a service charge will apply

CITY OFFICIALS

Mayor Butch Lee

Sharon Womack, Alderman-at-Large
Jarrad Craine, Alderman Ward 1
Cris Vinson, Alderman Ward 2
Harry Williams, Alderman Ward 3
Lu Coker, Alderman Ward 4
Dwight Middleton, Alderman Ward 5
Tahya Dobbs, Alderman Ward 6

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